

### Abstract of the Disclosure

A dye is incorporated in a carrier. The dye has the characteristics of attaching itself to residual plaque on the tooth surface. The dye also has the characteristic of being  
5 activated by the presence of ultraviolet radiation to visually create a fluorescent effect that would indicate the presence of plaque remaining on the teeth. The carrier can be toothpaste or any other form of tooth applicator, such as a rinse or gum. The UV light source could be from a separate device or could be  
10 mounted in the toothbrush itself.